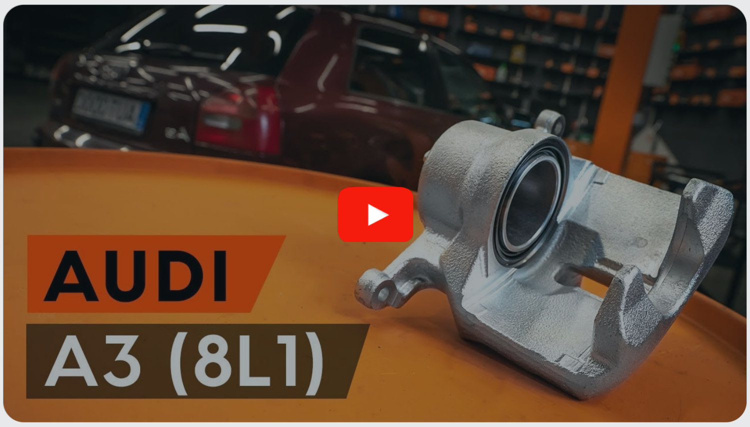
AUTODOC CLUB

# How to change rear brake caliper on **Audi A3 8L1** – replacement guide

## VIDEO TUTORIAL



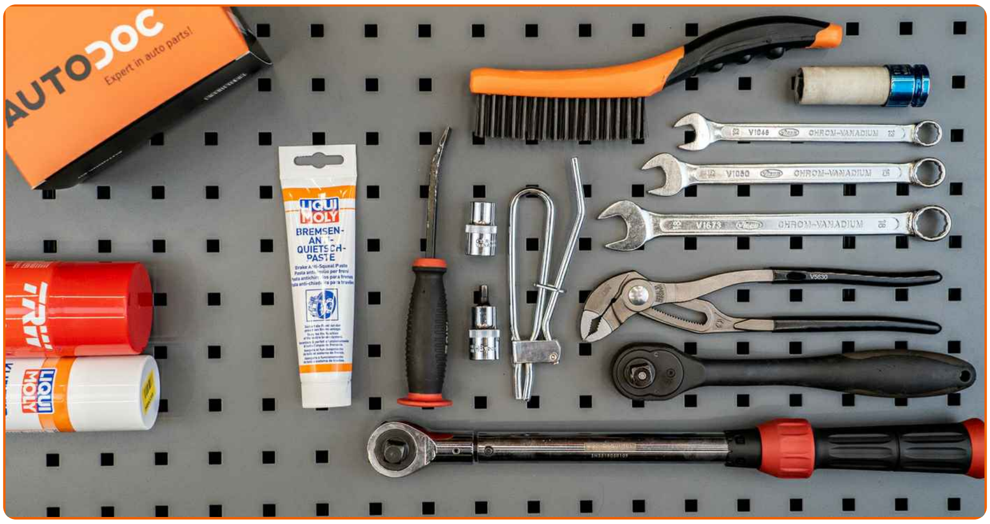

**Important!**

This replacement procedure can be used for:
AUDI A3 Hatchback (8L1) 1.6, AUDI A3 Hatchback (8L1) 1.9 TDI, AUDI A3 Hatchback (8P1) 1.6 E-Power, AUDI A3 Sportback (8PA) 1.6 E-Power, AUDI A1 Hatchback (8X1, 8XK) 1.4 TFSI, AUDI A1 Hatchback (8X1, 8XK) 1.6 TDI, AUDI A1 Hatchback (8X1, 8XK) 2.0 TDI, AUDI TT Coupe (8N3) 1.8 T, AUDI TT Coupe (8N3) 1.8 T quattro, AUDI A3 Convertible (8P7) 1.4 TFSI, AUDI TT Roadster (8N9) 1.8 T, AUDI TT Roadster (8N9) 1.8 T quattro, AUDI A1 Sportback (8XA, 8XF) 1.2 TFSI, AUDI A1 Sportback (8XA, 8XF) 1.4 TFSI, AUDI A1 Sportback (8XA, 8XF) 1.6 TDI, (+ 55)

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The steps may slightly vary depending on the car design.

# REPLACEMENT: BRAKE CALIPER – AUDI A3 8L1. TOOLS YOU NEED:




- Wire brush
- Combination spanner #13
- Combination spanner #15
- Combination spanner #18
- Drive socket # 13
- HEX bit No.H6
- Ratchet wrench
- Brake cleaner
- Wheel impact socket #17
- Torque wrench
- Crow bar
- Anti-squeal paste
- Water pump pliers
- Fluid container
- Brake hose clip
- Copper grease
- Wheel chock

BUY TOOLS

Replacement: brake caliper – Audi A3 8L1. AUTODOC recommends:

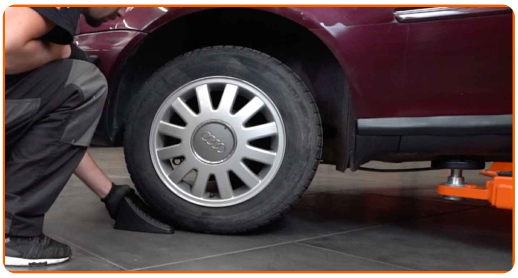
- The replacement procedure is identical for the left and right brake calipers on the same axle.
- Please note: all work on the car – Audi A3 8L1 – should be done with the engine switched off.

## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

**1** Open the bonnet. Unscrew the brake fluid reservoir cap.



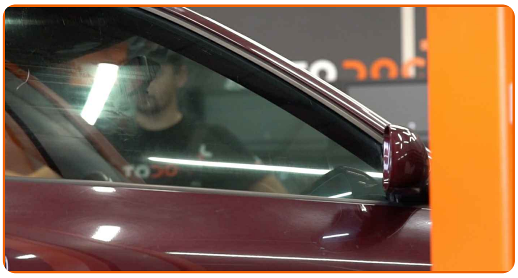
**2** Secure the wheels with chocks.



**3** Loosen the wheel mounting bolts. Use wheel impact socket #17.



**4** Raise the rear of the car and secure on supports.



**5** Unscrew the wheel bolts.



**Replacement: brake caliper – Audi A3 8L1. Tip:**

- To avoid injury, hold up the wheel when unscrewing the bolts.

**6** Remove the wheel.

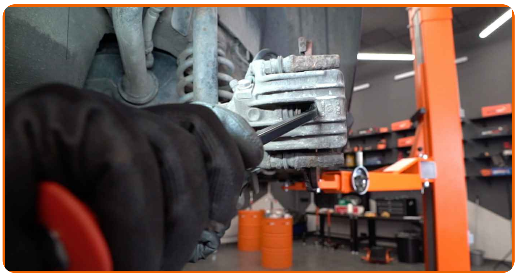


**7** Disconnect the ABS sensor electric socket. Disconnect the brake pad wear sensor plug. Remove the ABS sensor connector. Remove the connector of the brake pad wear sensor.

**Please note!**

- Some cars are not equipped with the brake pad wear sensor.

**8** Spread the brake pads. Use a crowbar.



**9** Clean the area where the brake hose is connected to the caliper, and the guide pins area. Clean the brake caliper fasteners. Use a wire brush. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: brake caliper – Audi A3 8L1. After applying the spray, wait a few minutes.

**10** Clamp the brake hose off using a brake hose clamp.



11

Put a container for gathering brake fluid beneath.



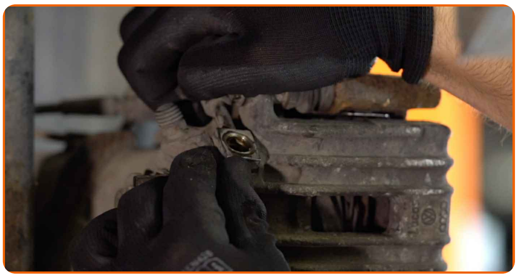
12

Unscrew the brake hose from the brake caliper. Use a combination spanner #18.



13

Move the brake hose aside. Tie the brake hose to the car body with a hook or a piece of wire.

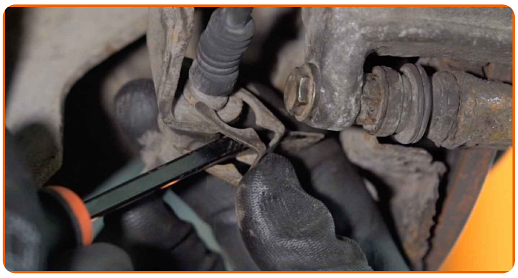


14

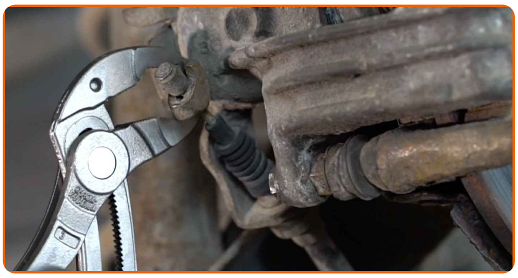
Detach the parking brake return spring. Use water pump pliers.



**15** Remove the retaining clip of the parking brake cable. Use a crowbar.



**16** Disconnect the parking brake cable from the caliper. Use water pump pliers.



**17** Release the parking brake cable.

**18** Unscrew the brake caliper fastening. Use a combination spanner #13. Use a combination spanner #15. Use a drive socket #13. Use a ratchet wrench.



**19** Remove the brake caliper.



**20**

Remove the brake pads.



## Replacement: brake caliper – Audi A3 8L1. Tip:

- When replacing a brake caliper it is recommended to replace brake pads, check the state of the brake discs and replace them with new ones if necessary.

**21**

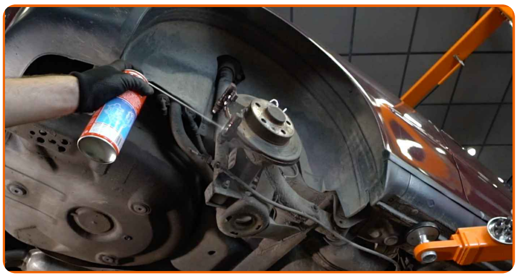
If going to use the old brake pads, clean them. Use a wire brush. Use a brake cleaner.



## AUTODOC recommends:

- Replacement: brake caliper – Audi A3 8L1. AUTODOC recommends:

**22** Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



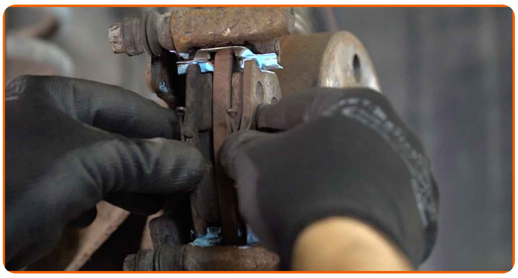
## AUTODOC recommends:

- Replacement: brake caliper – Audi A3 8L1. After applying the spray, wait a few minutes.

**23** Treat the contact surfaces between the brake pads and the brake caliper bracket. Use anti-squeal paste.



**24** Install the brake pads.



**25** Install the brake caliper and fix it.



**26** Screw in the brake caliper fasteners.



**Please note!**

- Install the brake caliper starting with its lower part.
- Hold up the brake caliper.

**27** Tighten the brake caliper fasteners. Important! Be sure to use new fasteners. Use a combination spanner #15. Use a drive socket #13. Use a torque wrench. Tighten it to 35 Nm torque.



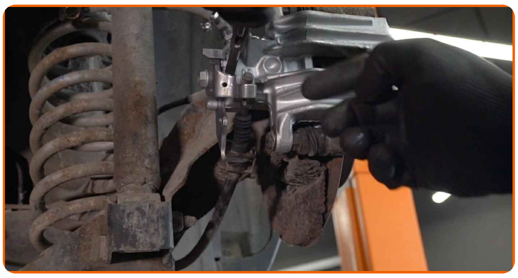
**28** Install the parking brake cable into the brake caliper bracket. Secure the parking brake cable with the retaining clip.



**29** Pull aside the parking brake mechanism. Use water pump pliers.



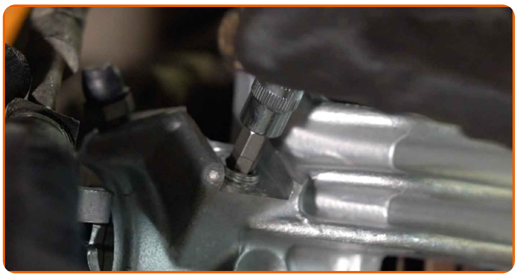
**30** Attach the parking brake cable to the parking brake mechanism.



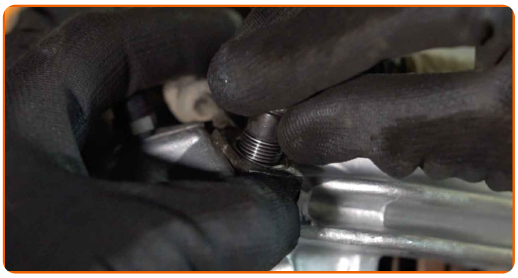
**31** Install the return spring of the parking brake mechanism.



**32** Unscrew the plug from the brake hose mounting seat on the brake caliper. Use a ratchet wrench. Use HEX No.H6.



**33** Install the brake hose to the new brake caliper.



**34** Tighten the brake hose fastener. Use a combination spanner #18. Use a torque wrench. Tighten it to 35 Nm torque.



**35** Remove the brake hose clamp.



### Replacement: brake caliper – Audi A3 8L1. Tip from AUTODOC experts:

- Bleed the brake caliper system.

**36** Connect the ABS sensor electric socket. Connect the brake pad wear sensor plug.

**37** Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



**38**

Install the wheel.

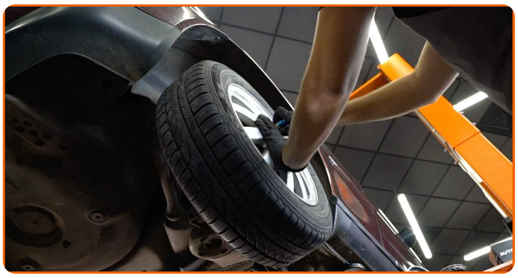


AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Audi A3 8L1

**39**

Screw in the wheel bolts. Use wheel impact socket #17.



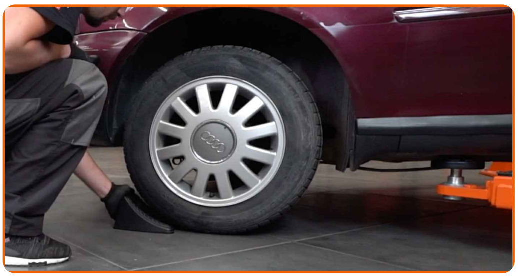
**40**

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 Nm torque.



**41**

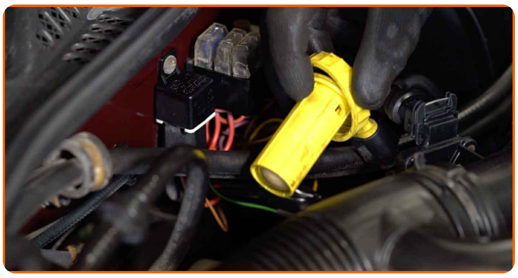
Remove the jacks and chocks.



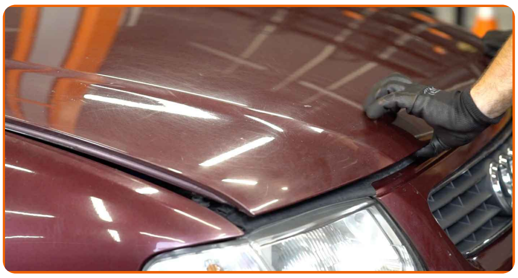
## AUTODOC recommends:

- Important! Replacement: brake caliper – Audi A3 8L1. Check the brake fluid level in the reservoir and top up if necessary.

**42** Tighten the brake fluid reservoir cap.



**43** Close the hood.



## WELL DONE!

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